Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A liquid crystal display comprising:

a lower substrate;

an upper substrate positioned parallel with the lower substrate; and

a plurality of pixel units, each of the pixel units including an upper transparent electrode, a liquid crystal layer, a lower transparent electrode, and a color filter covered with one of the upper and the lower transparent electrode directly;

wherein a surface of each color filter has a plurality of recess structures.

Claim 2 (original): The liquid crystal display of claim 1 wherein a distribution density of the recess structures is used to regulate brightness and a color deepness of the liquid crystal display.

Claim 3 (original): The liquid crystal display of claim 1 wherein each of the pixel units respectively comprises a reflection layer positioned between the color filter and the lower substrate.

Claim 4 (original): The liquid crystal display of claim 3 being a reflective liquid crystal display.

Claim 5 (original): The liquid crystal display of claim 3 wherein each of the reflection layers includes an opening.

Claim 6 (original): The liquid crystal display of claim 5 being a semi-transmissive and semi-reflective liquid crystal display.

PAGE 9/15 * RCVD AT 3/31/2005 2:54:31 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729306 * CSID:8064986673 * DURATION (mm-ss):04-40

Claim 7 (original): The liquid crystal display of claim 1 further comprising a plurality of thin film transistors for respectively controlling each of the pixel units.

Claim 8 (currently amended): A liquid crystal display comprising:

a lower substrate;

an upper substrate positioned parallel with the lower substrate; and

a plurality of pixel units, each of the pixel units including an upper transparent electrode, a liquid crystal layer, a lower transparent electrode, and a color filter covered with one of the upper and the lower transparent electrode directly;

wherein each of the color filters includes both a first region and a second region, and a surface of the first region has a plurality of recess structures.

Claim 9 (original): The liquid crystal display of claim 8 wherein an area of the first region of the color filter is used to regulate brightness and a color deepness of the liquid crystal display.

Claim 10 (original): The liquid crystal display of claim 8 wherein a distribution density of the recess structures is used to regulate brightness and a color deepness of the liquid crystal display.

Claim 11 (original): The liquid crystal display of claim 8 wherein each of the pixel units respectively comprises a reflection layer positioned between the color filter and the lower substrate.

Claim 12 (original): The liquid crystal display of claim 11 being a reflective liquid crystal display.

Claim 13 (original): The liquid crystal display of claim 11 wherein each of the reflection layers respectively includes an opening opposite to the second region of each

PAGE 10/15 * RCVD AT 3/31/2005 2:54:31 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729306 * CSID:8064986673 * DURATION (mm-ss):04-40

color filter.

Claim 14 (original): The liquid crystal display of claim 13 being a semi-transmissive and semi-reflective liquid crystal display.

Claim 15 (original): The liquid crystal display of claim 8 further comprising a plurality of thin film transistors for respectively controlling each of the pixel units.

Claim 16 (new): The liquid crystal display of claim 1 wherein the plurality of recess structures comprises a plurality of valley structures.

Claim 17 (new): The liquid crystal display of claim 1 wherein the surface of each color filter has the plurality of recess structures is able to scatter light.

Claim 18(new): The liquid crystal display of claim 8 wherein the plurality of recess structures comprises a plurality of valley structures.

Claim 19 (new): The liquid crystal display of claim 8 wherein the surface of the first region has the plurality of recess structures is able to scatter light.

Claim 20 (new): A liquid crystal display comprising:

a lower substrate;

an upper substrate positioned parallel with the lower substrate; and

a plurality of pixel units, each of the pixel units including an upper transparent electrode, a liquid crystal layer, a lower transparent electrode, and a color filter formed on the upper substrate and above the lower substrate;

wherein a surface of each color filter has a plurality of convex structures.

Claim 21 (new): The liquid crystal display of claim 20 wherein the color filter is

PAGE 11/15 * RCVD AT 3/31/2005 2:54:31 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729306 * CSID:8064986673 * DURATION (mm-ss):04-40

covered with the upper transparent electrode directly.

Claim 22 (new): The liquid crystal display of claim 20 wherein the surface of each color filter has the plurality of convex structures is able to scatter light.

Claim 23 (new): The liquid crystal display of claim 20 wherein a distribution density of the convex structures is used to regulate brightness and a color deepness of the liquid crystal display.

Claim 24 (new): The liquid crystal display of claim 20 wherein each of the pixel units respectively comprises a reflection layer positioned between the color filter and the lower substrate.

Claim 25 (new): The liquid crystal display of claim 24 being a reflective liquid crystal display.

Claim 26 (new): The liquid crystal display of claim 24 wherein each of the reflection layers includes an opening.

Claim 27 (new): The liquid crystal display of claim 26 being a semi-transmissive and semi-reflective liquid crystal display.

Claim 28 (new): The liquid crystal display of claim 20 further comprising a plurality of thin film transistors for respectively controlling each of the pixel units.

Claim 29 (new): The liquid crystal display of claim 28 wherein the thin film transistors is formed on the lower substrate and below the upper substrate.

PAGE 12/15 * RCVD AT 3/31/2005 2:54:31 AM [Eastern Standard Time] * SVR:USPTO-EFXRF-1/0 * DNIS:8729306 * CSID:8064986673 * DURATION (mm-ss):04-40